

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Robert Mark Stefan PORTER et al.  
International Application No.: PCT/GB2003/005186  
International Filing Date: November 28, 2003  
For: FACE DETECTION AND TRACKING

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**INFORMATION DISCLOSURE STATEMENT**

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Sir:

Enclosed are copies of the publications, which are cited in the specification and which were cited in the Search Report issued in priority application 0227895.0 and in the International Search Report of International Application No. PCT/GB2003/005186. Also enclosed is a copy of Form PTO-1449 and the Search Reports.

In the event the above-identified patent application was filed after June 30, 2003 or is an international application that entered the national stage under 35 U.S.C. 371 after June

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See, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" as stated in the Notice published in The Official Gazette of August 5, 2003.

In the event the above-identified patent application was filed under 35 U.S.C. 111 on or after June 30, 2003, or is an international application that entered the national stage on or after June 30, 2003, no copy of the specification, claims or drawings of any cited pending U.S. patent application is provided. See, "Waiver of the Copy Requirement in 37 CFR 1.98 for Cited Pending U.S. Patent Applications" as stated in the Notice published in the Official Gazette of October 19, 2004.

#### REMARKS

Entry of this Information Disclosure Statement and an early examination on the merits are respectfully solicited.

Please charge any additional fees to Deposit Account No. 50-0320.

Respectfully submitted,

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Enclosures

Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 450110-05541	SERIAL NO. Filed Concurrently Herewith
	APPLICANT Robert Mark Stefan PORTER et al.	
	FILING DATE Filed Concurrently Herewith	GROUP

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5, 802, 220	09/01/98	Black et al.			
	AB	5, 715, 325	02/03/98	Bang et al.			
	AC						
	AD						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE						
	AF						
	AG						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AH		CROWLEY J L ET AL: "Multi-modal tracking of faces for video communications" COMPUTER VISION AND PATTERN RECOGNITION, 1997. PROCEEDINGS., 1997 IEEE COMPUTER SOCIETY CONFERENCE ON SAN JUAN, PUERTO RICO 17-19 JUNE 1997, LOS ALAMITOS, CA USA, IEEE COMPUT. SOC, US, 17 June 1997, pages 640-645, XP010237419				
	AI		BLACK M J ET AL: "EIGENTRACKING: ROBUST MATCHING AND TRACKING OF ARTICULATED OBJECTS USING A VIEW-BASED REPRESENTATION" EUROPEAN CONFERENCE ON COMPUTER VISION, BERLIN, DE, vol. 1, 1996, pages 329-342, XP000884485				
	AJ		ROSALES R. ET AL: "3D trajectory recovery for tracking multiple objects and trajectory guided recognition of actions" TECHNICAL REPORT, COMPUTER SCIENCE DEPARTMENT, BOSTON UNIVERSITY, BU-CS-TR98-019, 1998, pages R1-7, XP002272970				
	AK		CE WANG ET AL: "A hybrid real-time face tracking system" ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 1998. PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL CONFERENCE ON SEATTLE, WA, USA 12-15 MAY 1998, NEW YORK, NY, USA, IEEE, US, 12 May 1998, pages 3737-3740, XP010279645				
	AL		JORDAO L ET AL: "Active face and feature tracking" IMAGE ANALYSIS AND PROCESSING, 1999. PROCEEDINGS. INTERNATIONAL CONFERENCE ON VENICE, ITALY 27-29 SEPT. 1999, pages 572-576, XP010354237				
	AM						

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.